

[illegible]

**Abstract**

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## Abstract

10 To obtain best performance from a turbo decoder using a SOVA algorithm a normalisation unit (27) is used. By using normalisation the complexity of the decoder is increased. To decrease the complexity it is proposed not to normalise all of the decoding units (27, 33) output. In this way computational complexity is reduced for only a small degradation in performance.

15 (Fig. 2)